



# ASIA NOW: NAVIGATING THE ASEAN REGION

## Water and Wastewater Equipment

### INDONESIA



#### Market Overview

- Forecasted growth rate of 10% (2006-2008)
- Value of imports: \$73 million, est. 100 % of imports over market size
- 12 % US market share of total imports

#### Best Prospects

- Pumps
- Blowers
- Water treatment chemicals

### PHILIPPINES



#### Market Overview

- Forecasted growth rate of 5% (2006-2008)
- Value of imports: \$153 million, est. 99 % of imports over market size
- 18 % US market share of total imports

#### Best Prospects

- Water treatment equip/processes,
- Products/equip for septage and sewerage projects
- Products/equip for wastewater treatment

### THAILAND



#### Market Overview

- Forecasted growth rate of 10% (2006-2008)
- Value of imports: \$125 million, est. 80% of imports over market size
- 11% US market share of total imports

#### Best Prospects

- Submersible pumps
- Blowers
- Aerators
- Sludge dewatering
- Water treatment chemicals.
- Engineering and consulting

### MALAYSIA



#### Market Overview

- Forecasted growth rate of 10% (2006-2008)
- Value of imports: \$820 million, est. 115% of imports over market size
- 29 % US market share of total imports

#### Best Prospects

- Compact biological treatment systems
- Advanced wastewater treatment chemicals
- Ultra pure water tech.

### SINGAPORE



#### Market Overview

- Forecasted growth rate of 5-7% (2006-2008)
- Value of imports: \$2.5 billion, est. 141% of imports over market size
- 27 % US market share of total imports

#### Best Prospects

- filtering & purifying machinery and apparatus
- innovative recycling technologies
- modular wastewater treatment systems

### VIETNAM



#### Market Overview

There is not a strong market for water and wastewater equipment in Vietnam. U.S. firms should consider entering other markets in the region where there are more opportunities. Firms interested in water related ADB projects in Vietnam should refer to the [Central Region Water Resources](#) project and the [Capacity Building for Water Resources Management](#) project.

# Market Specifics

The water quality focus in ASEAN is on user groups (potable water, recreational use, commercial fisheries and irrigation). Overall water demand in the ASEAN nations is expected to increase by a third over the next 20 years, though member countries are relatively water abundant. Almost all ASEAN members are affected by both drought and flooding issues. A [detailed report](#) on the state of ASEAN water resources was published in Oct 2005.

	Indonesia 	Malaysia 	Philippines 
<b>Enforcement Agency</b>	Ministry of Environment  Ministry of Public Works, Directorate General for Urban and Rural Development	<a href="#">Department of Environment</a>	<a href="#">Department of Environment and Natural Resources</a>
<b>Regulations</b>	Delegation of Water Authority stipulated by Minister of Public Works Decree No. 16/KPTS/1986  Water Resources Law No. 7/2004	Environmental Quality Act 1974, Sewage & Industrial Effluent Regulations, 1979	Philippine Clean Water Act of 2004
<b>Major Contributors to Pollution</b>	Municipal sewages, plywood, rubber, palm oil, textiles, mining, fertilizer, pulp & paper, sugar, MSG and tapioca industries.	Municipal sewage, food & beverage producers, chemical industries, paper, rubber & palm oil plantations, textiles.	Municipal sewage, semiconductor, textile and garment, and food industries and chemical plants
<b>Market Research</b>	<a href="#">Water Resource Equipment and Services</a> (1/06) <a href="#">Water and Wastewater Treatment Equipment and Services</a> (4/05)	<a href="#">Water Pollution Control Equipment</a> (5/05) <a href="#">Prospects of Remediation Services</a> (12/05)	<a href="#">Water and Wastewater Chemicals</a> (3/03)
<b>Trade Shows</b>	<a href="#">Environment Technology Indonesia 2006</a>	<a href="#">Asia Water 2006</a>	<a href="#">Enviro-Tech Philippines 2006</a>
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# Market Specifics

**Singapore** 

**Thailand** 

## Enforcement Agency

[National Environment Agency](#) and [Public Utilities Board](#)

[Ministry of Natural Resources and Environment](#) (MNRE)

## Regulations

Environmental Pollution Control Act and the Environmental Public Health Act

Improvement and Conservation of National Environmental Quality Acts, E.E. 2535(1992)

## Major Contributors to Pollution

Untreated chemical waste

Municipal wastes, Industrial wastes, Farms and Aquaculture

## Market Research

[Water and Wastewater Treatment](#) (11/05)

[Water Pollution Control Equipment](#) (3/03)

## Trade Shows

[Urban Environment Asia 2006](#)

[Entech Pollutec Asia 2006](#)  
July 2006, Bangkok

[Aquatech Asia 2007](#)

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